

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

Bottcher et al.

SERIAL NO.:

10/608,856

GROUP NO.:

3731

FILING DATE:

June 27, 2003

EXAMINER:

Not yet assigned

TITLE:

MEDICAL STENT WITH VARIABLE COIL AND RELATED

METHODS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Except for References A1, A358, A359, B16, B37, B40-B42, and B49-B50, copies of the patents and publications are not enclosed pursuant to 37 C.F.R. §1.98(d) because they were submitted to or cited by the Patent Office in earlier-filed U.S.S.N. 09/981,634, which is relied upon for an earlier effective filing date under 35 U.S.C. §120.

On information and belief, in either September or November, 2000, prior to the filing of this application, the two co-inventors, Benjamin Bottcher (an employee of Boston Scientific Corporation) and Michael Grasso (a medical doctor affiliated with NYU Medical Center), met with each other. At their meeting, Michael Grasso disclosed to Benjamin Bottcher a certain end coil for a ureteral stent, an example of which is shown in FIG. 1 of this application. Benjamin Bottcher suggested combining this coil with a stent having two ends of different hardness. An example of the combination is shown in FIG. 1 of this application. After the above-identified patent application was filed, both of the co-inventors executed a specific assignment for this application, making Scimed Life Systems, Inc. the owner (Boston Scientific Corporation is the controlling corporation of Scimed Life Systems, Inc.).

Also, a stent having a softer end and a harder end was offered for sale by Boston Scientific Corporation as the PolarisTM ureteral stent on or about April 9, 2001.

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Additionally, Applicants hereby make of record the existence of U.S. Patent Application Serial No. 10/032,712 (Reference A1), which was filed on October 24, 2001, and which claims the benefit of and priority to U.S. Patent Application Serial No. 60/280,809, which was filed on April 2, 2001.

Date: November $\frac{20}{2}$, 2003

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Respectfully submitted,

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INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: BSC-223C1

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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	2002/0143389	10/3/02	St. Pierre			10/24/01
	A2	191,775	6/12/1877	Parsons			9/19/1876
	A3	256,590	4/18/1882	Pfarre			12/19/1881
	A4	386,603	7/24/1888	Parsons		-	10/11/1887
	A5	559,620	5/5/1896	Shearer			5/16/1895
	A6	1,211,928	1/9/17	Fisher			3/25/16
	A7	2,257,369	9/30/41	Davis			10/21/39
	A8	3,087,493	4/30/63	Schossow			4/27/60
	A9	3,314,430	4/18/67	Alley et al.			6/22/64
	A10	3,359,974	12/26/67	Khalil			10/7/63
	A11	3,394,705	7/30/68	Abramson			10/22/65
	A12	3,437,088	4/8/69	Bielinski			12/1/66
	A13	3,485,234	12/23/69	Stevens			4/13/66
	A14	3,593,713	7/20/71	Bogoff et al.			7/12/68
	A15	3,612,050	10/12/71	Sheridan			4/1/69
	A16	3,633,579	1/11/72	Alley et al.			3/13/69
	A17	3,726,281	4/10/73	Norton et al.			12/8/71
	A18	3,746,003	7/17/73	Blake et al.			9/23/71
	A19	3,788,326	1/29/74	Jacobs			8/3/72
	A20	3,828,767	8/13/74	Spiroff			10/29/73
	A21	3,902,492	9/2/75	Greenhalgh			5/14/74
	A22	3,906,954	9/23/75	Baehr et al.			9/14/73
	A23	3,920,023	11/18/75	Dye et al.			03/21/74
	A24	3,995,623	12/7/76	Blake et al.			2/11/76

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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A25	4,004,588	1/25/77	Alexander			8/25/75
	A26	4,037,599	7/26/77	Raulerson			1/26/76
	A27	4,065,264	12/27/77	Lewin			5/10/76
	A28	4,069,814	1/24/78	Clemens			5/6/76
	A29	4,096,860	6/27/78	McLaughlin			10/8/75
	A30	4,099,528	6/11/78	Sorenson et al.			2/17/77
	A31	4,100,246	7/11/78	Frisch			6/21/76
	A32	4,129,129	12/12/78	Amrine			3/18/77
	A33	4,134,402	1/16/79	Marhurkar			6/5/77
	A34	4,138,288	2/6/79	Lewin			12/23/77
	A35	4,138,457	2/6/79	Rudd et al.			8/13/76
	A36	4,144,884	3/20/79	Tersteegen et al.			3/17/77
	A37	4,149,535	4/17/79	Volder			5/6/77
	A38	4,168,703	9/25/79	Kenigsberg			7/18/77
	A39	4,173,981	11/13/79	Mortensen			5/23/77
	A40	4,180,068	12/25/79	Jacobsen et al.			4/13/78
	A41	4,182,739	1/8/80	Curtis			1/9/78
	A42	4,183,961	1/15/80	Curtis			7/21/77
	A43	4,202,332	5/13/80	Tersteegen et al.			1/5/78
-	A44	4,203,436	5/20/80	Grimsrud			3/28/78
	A45	4,204,541	5/27/80	Kapitanov			1/3/78
	A46	4,212,304	7/15/80	Finney			4/7/78
	A47	4,217,895	8/19/80	Sagae et al.			5/26/78
	A48	4,223,676	9/23/80	Wuchinich et al.			12/19/77
-	A49	4,236,520	12/2/80	Anderson			12/4/78

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	A50	4,239,042	12/16/80	Asai			4/5/79
	A51	4,248,234	2/3/81	Assenza et al.			3/8/79
	A52	4,257,416	3/24/81	Prager			5/3/79
	A53	4,270,535	6/2/81	Bogue et al.			10/18/79
	A54	4,307,723	12/29/81	Finney			2/8/80
	A55	4,327,722	5/4/82	Groshong et al.			8/20/79
	A56	4,334,327	6/15/82	Lyman et al.			12/21/79
	A57	4,385,631	5/31/83	Uthmann			3/18/81
	A58	4,385,635	5/31/83	Ruiz			5/15/81
	A59	4,403,983	9/13/83	Edelman et al.			11/6/81
	A60	4,405,313	9/20/83	Sisley et al.			1/29/82
	A61	4,405,314	9/20/83	Cope			4/19/82
	A62	4,406,656	9/27/83	Hattler et al.			6/1/81
	A63	4,413,989	11/8/83	Schjeldahl et al.			8/17/81
	A64	4,419,094	12/6/83	Patel			6/8/81
	A65	DES 272,651	2/14/84	Marhurkar	· - - ·		11/2/81
	A66	4,443,333	4/17/84	Marhurkar			9/24/81
	A67	4,451,252	5/29/84	Martin			7/24/81
	A68	4,456,000	6/26/84	Schjeldahl et al.			8/24/83
	A69	4,484,585	11/27/84	Baier			9/2/82
	A70	4,493,696	1/15/85	Uldall			5/4/84
	A71	4,504,264	3/12/85	Kelman			9/24/82
	A72	RE 31,873	4/30/85	Howes			1/19/83
	A73	4,531,933	7/30/85	Norton et al.			12/7/82
	A74	4,540,402	9/10/85	Aigner			4/20/83



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	A75	4,543,087	9/24/85	Sommercorn et al.			11/14/83
	A76	4,553,959	11/19/85	Hickey et al.			1/21/83
	A77	4,559,046	12/17/85	Groshong et al.			7/28/83
	A78	4,563,170	1/7/86	Aigner			7/29/83
	A79	4,563,181	1/7/86	Wijayarathna et al.			2/18/83
	A80	4,568,329	2/4/86	Marhurkar			10/1/84
	A81	4,568,338	2/4/86	Todd			9/22/83
	A82	4,581,012	4/8/86	Brown et al.			12/5/84
	A83	4,583,968	4/22/86	Marhurkar			8/15/84
	A84	4,596,548	6/24/86	DeVries et al.			3/25/85
	A85	4,601,697	7/22/86	Mammolenti et al.			12/7/84
	A86	4,601,701	7/22/86	Mueller, Jr.			2/25/85
	A87	4,608,993	9/2/86	Albert			7/31/84
	A88	4,610,657	9/9/86	Densow			8/30/85
	A89	4,619,643	10/28/86	Bai			6/18/84
	A90	4,623,327	11/18/86	Marhurkar			2/12/85
	A91	4,626,240	12/2/86	Edelman et al.			9/8/83
	A92	4,641,652	2/10/87	Hutterer et al.			4/10/85
	A93	4,643,711	2/17/87	Bates			5/25/84
	A94	4,643,716	2/17/87	Drach			5/15/86
	A95	4,648,865	3/10/87	Aigner			1/11/85
	A96	4,655,771	4/7/87	Wallstén			4/11/83
	A97	4,661,396	4/28/87	Andorf et al.			10/4/85
	A98	4,662,404	5/5/87	LeVeen et al.			5/15/81
	A99	4,666,426	5/19/87	Aigner			7/14/86

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	1		T	1	CLASS	SUB	FILING DATE IF
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	CLASS	APPROPRIATE
	A100	4,671,795	6/9/87	Mulchin			11/19/84
	A101	4,675,004	6/23/87	Hadford et al.			4/16/85
	A102	4,682,978	7/28/87	Martin			5/15/85
	A103	4,687,471	8/18/87	Twardowski et al.			2/6/86
	A104	4,692,141	9/8/87	Marhurkar			1/29/86
	A105	4,694,838	9/22/87	Wijayarthna et al.			1/23/85
-	A106	4,713,049	12/15/87	Carter			8/5/86
	A107	4,722,725	2/2/88	Sawyer et al.			5/11/87
	A108	4,732,152	3/22/88	Wallstén et al.			8/4/86
 ·	A109	4,737,146	4/12/88	Amaki et al.			4/20/87
. **	A110	4,738,667	4/19/88	Galloway			11/4/86
	A111	4,739,768	4/26/88	Engelson			6/2/86
	A112	4,747,840	5/31/88	Ladika et al.			9/17/86
	A113	4,753,640	6/28/88	Nichols et al.			10/6/86
	A114	4,755,176	7/5/88	Patel			6/11/87
	A115	4,769,005	9/6/88	Ginsburg et al.			8/6/87
	A116	4,770,652	9/13/88	Marhurkar			7/18/86
	A117	4,772,268	9/20/88	Bates			11/3/86
	A118	4,773,432	9/27/88	Rydell			2/9/87
	A119	4,775,371	10/4/88	Mueller, Jr.			9/2/86
	A120	4,776,841	10/11/88	Catalano			9/11/86
	A121	4,787,884	11/29/88	Goldberg			9/1/87
	A122	4,790,809	12/13/88	Kuntz			5/14/87
	A123	4,790,810	12/13/88	Pugh, Jr. et al.			11/4/85
	A124	4,795,439	1/3/89	Guest			4/8/88

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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A125	4,808,155	2/28/89	Marhurkar			9/16/87
	A126	4,809,710	3/7/89	Williamson			1/11/88
	A127	4,813,429	3/21/89	Eshel et al.			5/5/87
	A128	4,813,925	3/21/89	Anderson, Jr. et al.			4/21/87
	A129	4,820,262	4/11/89	Finney			12/12/85
-	A130	4,822,345	4/18/89	Danforth			3/16/88
	A131	4,838,881	6/13/89	Bennett			9/29/88
	A132	4,842,582	6/27/89	Marhurkar			4/19/88
	A133	4,842,590	6/27/89	Tanabe et al.			6/2/88
	A134	4,846,791	7/11/89	Hattler et al.			9/2/88
·	A135	4,846,814	7/11/89	Ruiz			4/4/88
	A136	4,863,442	9/5/89	DeMello et al.			9/14/87
	A137	4,874,360	10/17/89	Goldberg et al.			7/1/88
_	A138	4,887,996	12/19/89	Bengmark			8/28/87
	A139	4,888,146	12/19/89	Dandeneau			5/19/88
	A140	4,894,057	1/16/90	Howes			6/19/87
	A141	4,895,561	1/23/90	Marhurkar		Ì	5/16/88
	A142	4,913,683	4/3/90	Gregory			7/5/88
	A143	4,931,037	6/5/90	Wetterman			10/13/88
	A144	4,950,228	8/21/90	Knapp, Jr. et al.			1/10/90
	A145	4,954,126	9/4/90	Wallsten			3/28/89
_	A146	4,960,409	10/2/90	Catalano			10/5/88
	A147	4,960,411	10/2/90	Buchbinder			6/30/88
	A148	4,961,809	10/9/90	Martin			4/21/88
	A149	4,963,129	10/16/90	Rusch			9/6/89

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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A150	4,973,301	11/27/90	Nissenkorn			7/11/89
	A151	4,976,690	12/11/90	Solar et al.			3/22/90
	A152	4,978,341	12/18/90	Niederhauser			4/6/89
	A153	4,981,482	1/1/91	Ichikawa			5/10/89
	A154	4,985,022	1/15/91	Fearnot et al.			11/23/88
	A155	4,986,814	1/22/91	Burney et al.			6/13/88
	A156	4,990,133	2/5/91	Solazzo			4/2/90
	A157	4,994,071	2/1991	MacGregor			
	A158	4,995,863	2/26/91	Nichols et al.			2/25/88
	A159	4,995,865	2/26/91	Gahara et al.			6/9/89
	A160	4,995,868	2/26/91	Brazier			9/26/89
	A161	4,998,919	3/12/91	Schnepp-Pesch et al.			10/18/88
	A162	5,004,456	4/2/91	Botterbusch et al.			3/10/89
	A163	5,009,636	4/23/91	Wortley et al.			12/6/89
	A164	5,013,296	5/7/91	Buckberg et al.			9/21/89
	A165	5,019,102	5/28/91	Hoene			12/7/88
	A166	5,026,377	6/25/91	Burton et al.			8/17/90
	A167	5,029,580	7/9/91	Radford et al.			7/18/90
	A168	5,041,083	8/20/91	Tsuchida et al.			6/25/88
	A169	5,053,004	10/1/91	Markel et al.			8/24/90
	A170	5,053,023	10/1/91	Martin			2/25/91
	A171	5,057,073	10/15/91	Martin			6/26/90
_	A172	5,061,275	10/29/91	Wallstén et al.			12/29/89
	A173	5,078,720	1/7/92	Burton et al.			5/2/90
<u> </u>	A174	5,085,629	2/4/92	Goldberg et al.			9/27/89

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	A175	5,116,309	5/26/92	Coll			5/20/91
	A176	5,124,127	6/23/92	Jones et al.			1/26/89
	A177	5,129,910	7/14/92	Phan et al.			7/26/91
	A178	5,135,487	8/4/92	Morrill et al.			5/1/91
-	A179	5,135,599	8/4/92	Martin et al.			3/13/91
	A180	5,141,502	8/25/92	Macaluso, Jr.			8/28/91
48.6 **!"	A181	5,147,370	9/15/92	McNamara et al.			6/12/91
	A182	5,149,330	9/22/92	Brightbill			1/10/91
-	A183	5,156,592	10/20/92	Martin et al.			4/4/91
	A184	5,156,596	10/20/92	Balbierz et al.			2/4/91
	A185	5,156,857	10/20/92	Wang et al.			6/17/91
	A186	5,160,325	11/3/92	Nichols et al.			1/22/91
	A187	5,167,623	12/1/92	Cianci et al.			12/27/90
	A188	5,171,216	12/15/92	Dasse et al.			11/4/91
	A189	5,176,625	1/5/93	Brisson			10/25/90
	A190	5,176,626	1/5/93	Soehendra		1.2	1/15/92
	A191	5,178,803	1/12/93	Tsuchida et al.			3/7/91
	A192	5,188,593	2/23/93	Martin			8/7/91
	A193	5,190,520	3/2/93	Fenton, Jr. et al.			10/10/90
	A194	5,195,962	3/23/93	Martin et al.			12/22/88
	A195	5,197,951	3/30/93	Marhurkar			2/27/86
	A196	5,207,648	5/4/93	Gross			8/19/92
	A197	5,209,723	5/11/93	Twardowski et al.			10/8/91
	A198	5,211,627	5/18/93	William			2/12/91
	A199	5,221,253	6/22/93	Coll			5/20/92

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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A200	5,221,255	6/22/93	Marhurkar et al.			10/16/91
	A201	5,221,256	6/22/93	Marhurkar			2/10/92
	A202	5,222,949	6/29/93	Kaldany			7/23/91
	A203	5,224,953	7/6/93	Morgentalker			5/1/92
	A204	5,234,663	8/10/93	Jones et al.			3/18/92
	A205	5,240,677	8/31/93	Jones et al.			3/18/92
	A206	5,242,395	9/7/93	Maglinte			10/30/90
	A207	5,246,445	9/21/93	Yachia et al.			1/24/92
	A208	5,250,038	10/5/93	Melker et al.			10/9/92
	A209	5,261,879	11/16/93	Brill			9/3/92
	A210	5,269,802	12/14/93	Garber			9/10/91
	A211	5,275,597	1/4/94	Higgins et al.			5/18/92
	A212	5,279,560	1/18/94	Morrill et al.			12/23/91
	A213	5,282,784	2/1/94	Willard			10/9/91
	A214	5,292,305	3/8/94	Boudewijn et al.			9/1/92
	A215	5,292,321	3/8/94	Lee			3/1/93
	A216	5,295,954	3/22/94	Sachse			9/12/91
	A217	5,308,322	5/3/94	Tennican et al.			4/19/93
	A218	5,308,342	5/3/94	Sepetka et al.			8/7/91
	A219	5,318,532	6/7/94	Frassica			12/3/92
	A220	5,324,274	6/28/94	Martin			3/30/92
	A221	5,330,449	7/19/94	Prichard et al.			2/24/93
	A222	5,338,311	8/16/94	Marhurkar			8/23/93
	A223	5,342,301	8/30/94	Saab			8/13/92
	A224	5,342,386	8/30/94	Trotta			10/26/92

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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A225	5,342,387	8/30/94	Summers			6/18/92
	A226	5,346,467	9/13/94	Coll			6/11/93
	A227	5,346,471	9/13/94	Raulerson			3/22/93
	A228	5,348,536	9/20/94	Young et al.			8/2/93
=	A229	5,354,263	10/11/94	Coll			6/21/93
	A230	5,354,309	10/11/94	Schnepp-Pesch et al.			10/13/92
	A231	5,356,423	10/18/94	Tihon et al.			4/22/93
	A232	5,356,424	10/18/94	Buzerak et al.			2/5/93
	A233	5,358,689	10/25/94	Jones et al.			4/15/93
	A234	5,360,397	11/1/94	Pinchuk			7/2/93
,	A235	5,364,340	11/15/94	Coll			7/2/93
	A236	5,364,344	11/15/94	Beattie et al.			10/22/93
	A237	5,366,464	11/22/94	Belknap			7/22/93
	A238	5,372,600	12/13/94	Beyar et al.			5/10/93
-	A239	5,374,245	12/20/94	Marhurkar			4/28/93
	A240	5,378,230	1/3/95	Marhurkar			11/1/93
	A241	5,380,270	1/10/95	Ahmadzadeh			12/9/91
	A242	5,380,276	1/10/95	Miller et al.			2/28/94
	A243	5,383,928	1/24/95	Scott et al.			8/19/93
	A244	5,391,196	2/21/95	Devonec			6/18/93
	A245	5,395,316	3/7/95	Martin			8/11/93
	A246	5,399,172	3/21/95	Martin et al.			6/23/94
	A247	5,401,257	3/28/95	Chevalier, Jr. et al.			4/27/93
	A248	5,403,291	4/4/95	Abrahamson			8/2/93
	A249	5,405,320	4/11/95	Twardowski et al.		1	4/8/93

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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A250	A250 5,405,329 4/11/95	Durand			12/31/91	
	A251	5,405,341	4/11/95	Martin			6/3/93
	A252	5,405,380	4/11/95	Gianotti et al.			7/27/93
	A253	5,411,490	5/2/95	Tennican et al.			4/20/94
	A254	5,440,327	8/8/95	Stevens			7/28/92
	A255	5,445,624	8/29/95	Jimenez			1/21/94
	A256	5,449,372	9/12/95	Schmaltz et al.			6/14/91
	A257	5,451,206	9/19/95	Young			9/20/94
	A258	5,464,398	11/7/95	Haindl			4/11/91
	A259	5,470,322	11/28/95	Horzewski et al.			4/15/94
	A260	5,472,417	12/5/95	Martin et al.			3/3/94
	A261	5,472,432	12/5/95	Martin			6/23/94
	A262	5,472,435	12/5/95	Sutton		*	5/21/93
	A263	5,480,380	1/2/96	Martin			6/23/94
	A264	5,484,424	1/16/96	Cottenceau et al.			11/16/93
	A265	5,486,159	1/23/96	Maharkur			10/1/93
	A266	5,489,278	2/6/96	Abrahamson			1/30/95
	A267	5,509,897	4/23/96	Twardowski et al.			2/15/95
	A268	5,514,100	5/7/96	Marhurkar			4/19/94
	A269	5,514,176	5/7/96	Bosley, Jr.	İ		1/20/95
	A270	5,514,178	5/7/96	Torchio			5/27/94
	A271	5,520,697	5/28/96	Lindenberg et al.			1/12/95
	A272	5,522,807	6/4/96	Luther			9/7/94
	A273	5,527,337	6/18/96	Stack et al.			2/22/94
	A274	5,531,741	7/2/96	Barbacci			8/18/94

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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A275	5,533,985	7/9/96	Wang			4/20/94
	A276	5,540,713	7/30/96	Schnepp-Pesch et al.			7/8/94
	A277	5,542,937	8/6/96	Chee et al.			6/24/94
	A278	5,553,665	9/10/96	Gentry			1/10/95
	A279	5,554,136	9/10/96	Luther			2/27/95
	A280	5,556,390	9/17/96	Hicks			3/7/95
	A281	5,562,641	10/8/96	Flomenblit et al.			5/20/94
	A282	5,569,182	10/29/96	Twardowski et al.			2/9/95
	A283	5,569,184	10/29/96	Crocker et al.			8/3/95
7	A284	5,569,195	10/29/96	Saab			5/3/94
	A285	5,569,215	10/29/96	Crocker			6/6/95
	A286	5,569,218	10/29/96	Berg			2/14/94
	A287	5,571,093	11/5/96	Cruz et al.			9/21/94
	A288	5,573,508	11/12/96	Thornton	,		11/22/94
	A289	5,599,291	2/4/97	Balbierz et al.			1/4/93
	A290	5,601,538	2/11/97	Deem			3/7/95
	A291	5,613,980	3/25/97	Chauhan			12/22/94
	A292	5,622,665	4/22/97	Wang			6/2/95
	A293	5,624,413	4/29/97	Markel et al.			2/23/96
	A294	5,630,794	5/20/97	Lax et al.			9/23/94
	A295	5,632,734	5/27/97	Galel et al.			10/10/95
	A296	5,639,278	6/17/97	Dereume et al.			11/13/95
	A297	5,643,222	7/1/97	Marhurkar			6/23/95
	A298	5,647,843	7/15/97	Mesrobian et al.			5/24/96
	A299	5,649,909	7/22/97	Cornelius	1	T	8/5/96

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EXAM. INIT.	DOCUMENT NUMBER		DATE NAME		CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A300	5,653,689	8/5/97	Buelna et al.			9/30/95
	A301	5,658,263	8/19/97	Dang et al.			5/18/95
	A302	5,667,486	9/16/97	Mikulich et al.			4/26/94
	A303	5,674,277	10/7/97	Freitag	T T		11/22/95
	A304	5,676,697	10/14/97	McDonald			7/29/96
	A305	5,681,274	10/28/97	Perkins et al.			3/31/95
	A306	5,683,640	11/4/97	Miller et al.			10/11/94
	A307	5,685,862	11/11/97	Marhurkar			12/18/95
	A308	5,685,867	11/11/97	Twardowski et al.			6/7/95
	A309	5,695,479	12/9/97	Jagpal			11/1/93
	A310	5,695,482	12/9/97	Kaldany			6/15/94
, .	A311	5,695,789	12/9/97	12/9/97 Harris 1/13/98 Schnepp-Pesch <i>et al</i> .			6/7/95
	A312	5,707,386	1/13/98				9/21/95
	A313	5,709,874	1/20/98	Hanson et al.			6/3/96
	A314	5,718,862	2/17/98	Thompson			4/24/96
	A315	5,725,814	3/10/98	Harris			6/7/95
	A316	5,730,733	3/24/98	Mortier et al.			5/31/96
	A317	5,755,774	5/26/98	Pinchuk			8/22/96
	A318	5,762,630	6/9/98	Bley et al.			12/23/96
	A319	5,766,209	6/16/98	Devonec			8/15/95
	A320	5,769,868	6/23/98	Yock			6/7/95
	A321	5,772,641	6/30/98	Wilson			12/12/95
	A322	5,776,161	7/7/98	Globerman			10/16/95
	A323	5,791,036	8/11/98	Goodin et al.			12/23/96
	A324	5,792,105	8/11/98	Lin et al.		-	9/11/96

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	A325	5,792,124	8/11/98	Horrigan et al.			1/3/97
	A326	5,792,400	8/11/98	Talja et al.			10/4/95
	A327	5,795,319	8/18/98	Ali			3/7/97
_	A328	5,795,326	8/18/98	Simán			1/29/97
	A329	5,830,179	11/3/98	Mikus et al.			4/9/96
	A330	5,830,184	11/3/98	Basta			3/6/96
	A331	5,830,196	11/3/98	Hicks			9/19/96
	A332	5,836,925	11/17/98	Soltesz			3/27/97
	A333	5,843,028	12/1/98	Weaver et al.			8/30/96
	A334	5,843,175	12/1/98	Frantzen			6/13/97
	A335	5,851,203	12/22/98	van Muiden			7/14/97
	A336	5,860,999	1/19/99	Schnepp-Pesch et al.			11/25/97
	A337	5,865,815	2/2/99	Tihon			4/25/97
	A338	5,876,417	3/2/99	Devonec et al.			7/9/96
	A339	5,895,378	4/20/99	Berenstein et al.			5/29/97
	A340	5,897,537	4/27/99	Berg et al.			8/27/96
	A341	5,899,891	5/4/99	Racz			9/5/96
	A342	5,899,892	5/4/99	Mortier et al.			11/7/97
	A343	5,906,640	5/25/99	Penn et al.			5/2/97
	A344	5,911,715	6/15/99	Berg et al.			2/13/97
	A345	5,928,217	7/27/99	Mikus et al.			10/26/98
	A346	5,947,939	9/7/99	Mortier et al.			3/14/97
	A347	5,961,511	10/5/99	Mortier et al.			10/28/98
	A348	5,964,744	10/12/99	Balbierz et al.			10/3/94
	A349	5,964,771	10/12/99	Beyar et al.			6/7/95

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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A350	5,976,120	11/2/99	Chow et al.			3/26/98
	A351	5,980,505	11/9/99	Wilson			1/21/98
-	A352	5,984,907	11/16/99	McGee et al.			6/5/95
	A353	6,007,478	12/28/99	Siess et al.			11/13/97
	A354	6,019,789	2/1/00	Dinh et al.			4/1/98
	A355	6,033,413	3/7/00	Mikus et al.			4/20/98
	A356	6,135,992	10/24/00	Wang			4/21/97
	A357	6,139,536	10/31/00	Mikus et al.			7/26/99
	A358	6,200,335	3/3/01	Igaki			3/31/98
	A359	6,620,202	9/16/03	Bottcher et al.			10/16/01

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FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
	Bl	WO 84/04043	10/25/84	PCT			2/23/84		Y
	B2	WO 95/26763	10/12/95	PCT			3/31/95		Y
*****	В3	WO 95/28982	11/2/95	PCT			4/3/95		Y
-	B4	WO 95/29051	11/2/95	PCT			4/3/95		Y
	B5	WO 95/35130	12/28/95	PCT			6/21/94		Y
	В6	WO 97/10858	3/27/97	PCT			9/18/96		Y
	В7	WO 97/17094	5/15/97	PCT			11/6/96		Y
	B8	WO 97/37699	10/16/97	PCT			4/11/97		Y
	В9	WO 97/37718	10/16/97	PCT			4/9/97		Y
	B10	WO 97/39788	10/30/97	PCT		A .	3/27/97		Y
•	B11	WO 98/22159	5/28/98	PCT			11/7/97		Y
	B12	WO 98/43695	10/8/98	PCT			3/31/98		N (A358 is an English language patent family member)
	B13	WO 98/56313	12/17/98	PCT			6/12/98		Y
	B14	WO 99/39661	8/12/99	PCT			2/5/99		Y
	B15	WO 99/49811	10/7/99	PCT			3/25/99		Y
	B16	62-20830	8/9/99	JP			12/21/90	English	N
	B17	1,285,953	1/22/62	FR			1/16/61		Y
	B18	1,508,959	12/4/67	FR			1/21/66		Y
	B19	2,259,865	6/12/74	DE			12/7/72	English	N
	B20	2,297,640	8/13/76	FR			1/15/75	English	N

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EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
	B21	2,017,499 A	10/10/79	GB	7		3/6/79		Y
	B22	1,092,927	1/6/81	CA			12/28/79		Y
	B23	0,036,642 A2	9/30/81	EP			3/20/81	English	N
*	B24	57-90150	6/3/82	JР			11/26/80		N
	B25	3,112,762 C2	1/13/83	DE		-	3/31/81	English	N
	B26	0,079,719 A1	5/25/83	EP			11/3/82		Y
	B27	1,150,122	7/19/83	CA			4/16/80		Y
	B28	2,530,958 A1	2/3/84	FR			7/29/82	English	N
	B29	0,101,890 B1	3/7/84	ЕР		V 1	7/21/83	English	N
	B30	1,167,727	5/22/84	CA			11/26/81		Y
	B31	0,144,525 A2	6/19/85	EP			8/10/84	English	N
	B32	1,193,508	9/17/85	CA			8/28/84		Y
	B33	2,156,220 A	10/9/85	GB			3/27/84		Y
	B34	0,168,136 A1	1/15/86	EP			5/10/85		Y
	B35	0,183,421 A2	6/4/86	EP			11/11/85		Y
	B36	0,101,890 A1	3/7/84	EP			7/21/83	English	N
	B37	35 17 813 A1	11/20/86	DE			5/17/85	English	N
	B38	1,219,785	3/31/87	CA			5/24/84		Y
	B39	1,225,299	11/8/87	CA			7/18/85		Y
·	B40	2 611 486	9/9/88	FR			2/27/87	English	N
	B41	37 40 288 C1	4/13/89	DE			11/27/87	English	N
	B42	0 326 908 A2	08/09/89	EP .	-		01/24/89	English	N
	B43	0,333,308 A2	9/20/89	EP			1/16/89		Y
	B44	0,183,421 B1	4/18/90	EP			11/11/85		Y
- -	B45	0,386,408 A1	9/12/90	EP	<u> </u>		1/13/90	English	N

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EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
	B46	2,235,384 A	3/6/91	GB			8/28/90		Y
	B47	0,490,459 B1	6/17/92	EP			12/13/91		Y
	B48	0,490,459 A1	6/17/92	EP			12/13/91		Y
	B49	41 03 573 A1	8/20/92	DE			2/6/91	English	N
	B50	41 34 030 C2	4/22/93	DE			10/15/91	English	N
	B51	0,554,722 A1	8/11/93	EP			1/27/93	English	N
	B52	93 14 585.3	1/27/94	DE		-	9/27/93		N
	B53	0 876 803 A2	11/11/98	EP			5/6/98		Y
	B54	0 916 362 A1	5/19/99	EP			3/31/98		Y

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)						
	CI	American Society for Testing and Materials (ASTM) "Designation f 1828-97: Standard Specification for Ureteral Stents ¹ ", approved November 10, 1997, published May 1998 (pp. 1257-1262)					
	C2	Bard Access Systems Vas-Cath Incorporated Catalog (date unknown)					
	C3	Bard/angiomed product brochure, 1988					
	C4	Bard brochure, "Introducing The Bard Urinary Diversion Stent," 1984					
	C5	Bard product brochure, "Introducing The Bard Pediatric Urethral Stent," 1983					
***	C6	Bard product brochure, "Stents To Satisfy The Urologist:",1988					
	C7	Bard Urological Division product catalog, 1990, (pp. 1-3, A1-A30, D7-D26; last page)					
	C8	Bigongiari et al., "Conversion of Percutaneous Ureteral Stent To Indwelling Pigtail Stent Over Guidewire," Urology, May 1980, Vol. XV, No. 5, (pp. 461-465)					
	C9	Birch et al., "Tethered Ureteric Stents - a Clinical Assessment," British Journal of Urology, 1988, Vol. 62, (pp. 409-411)					

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ATTORNEY DOCKET NO.: BSC-223C1

APPLICANT: Bottcher et al.

SERIAL NO.: Not yet assigned

FILING DATE: Herewith

GROUP: Not yet assigned

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Camacho et al. "Double-Ended Pigtail Ureteral Stent: Useful Modification to Single End Ureteral Stent," <u>Urology</u> , May 1979, Vol. XIII, No. 5, (pp. 516-520)
Circon Surgitek package insert for Tecoflex® Quadra-Coil® Multi-Length Ureteral Stents, two pages (1998) and 2 photographs of Quadra-Coil™ Ureteral Stent
Collier et al., "Proximal Stent Displacement As Complication of Pigtail Ureteral Stent," <u>Urology</u> , April 1979, Vol. XIII, No. 4, (pp. 372-375)
Cook Critical Care Catalog, "Products for Dialysis" pp. 3-15 (1989)
Cook Critical Care Catalog, "Uldall Double Lumen Hemodialysis Catheter Trays" (date unknown)
Cook Urological catalog, "Urological Surgical Products," 1990-1991, (pp. 1-3, 7-29, 48-148; last page)
Cook Urological product brochure, "Ureteral Stents," 1987, (pp. 1-23; last page)
Cook Urological Catalog, 1995, (pp. 1-2, 9-41, 63-173; last page)
Cook Urological product brochure, "Filiform Ureteral Multi-Length Silicone Stent Sets," 1989
Culkin, "Complications of Ureteral Stents," <u>Infections in Urology</u> , September/October 1996, (pp. 139, 142-143)
Hackethorn et al., "Antegrade Internal Ureteral Stenting: A Technical Refinement," Radiology, July 1985, Vol. 156, No. 3, (pp. 827-828)
Hepperlen et al., "Self-Retained Internal Ureteral Stents: A New Approach," <u>The Journal of Urology</u> , June 1978, Vol. 119, (pp. 731-734)
Horizon Medical Products Catalog (date unknown)
Mardis, "Evaluation of Polymeric Materials for Endourologic Devices," <u>Seminars in Interventional</u> Radiology, March 1987, Vol. 4, No. 1, (pp. 36-45)
Mardis et al., "Double Pigtail Ureteral Stent," Urology, July 1979, Vol. XIV, No. 1, (pp. 23-26)
Mardis et al., "Comparative Evaluation of Materials Used for Internal Ureteral Stents," <u>Journal of Endourology</u> , 1993, Vol. 7, No. 2, (pp. 105-115)
Mardis et al., "Guidewires, Ureteral Catheters, and Stents," Color Atlas/Text of Ureteroscopy, 1993 New York, Igaku-Shoin, Ch. 5, (pp. 65-84)
Mardis et al., "Polyethylene Double-Pigtail Ureteral Stents," <u>Urologic Clinics of North America</u> , February 1982, Vol. 9, No. 1, (pp. 95-101)
Mardis et al., "Ureteral Stents Use and Complications," <u>Problems in Urology</u> , June 1992 Vol. 6, No. 2, (pp. 296-306)

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ATTORNEY DOCKET NO.: BSC-223C1

APPLICANT: Bottcher et al.

SERIAL NO.: 10/608,856

FILING DATE: June 27, 2003

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C29	Mardis et al., "Ureteral Stents-Materials," <u>Urologic Clinics of North America</u> , August 1988, Vol. 15, No. 3, (pp. 471-479)
C30	McIntosh, et al. J.A.M.A. 169(8): 137-8 (1959)
C31	MEDCOMP Catalog, "Hemodialysis Products" pp. 1-11, 14-16, 19-27, 30-36 (date unknown)
C32	MEDCOMP Catalog "Schon Twin-Cath" (date unknown)
C33	Microvasive Catalog, "J-Maxx™ Ureteral Stents with Hydro Plus™," date unknown, (2 pages)
C34	Microvasive Catalog, "Mardis Soft Variable Length Ureteral Stents," date unknown, (pp. 6-39-6-40)
C35	Microvasive Catalog, "Mardis Soft Variable Length Ureteral Stents with Hydro Plus™ Coating," date unknown, (p. 6-37)
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C37	Microvasive Catalog, "Ureteral Stents and Ureteral Catheters," date unknown, pgs. 6-1-6-10
C38	Microvasive Products for Urology, 1992, (pp. 6-1-6-7; 6-9-6-11; 6-13-6-23; 6-25-6-27; 6-29-6-37; 6-39-6-43; 6-456-49; 6-51; 6-53)
C39	Microvasive Products for Urology, 1994, (pp. 6-1-6-7; 6-9-6-11; 6-13-6-23; 6-25-6-27; 6-29-6-37; 6-39-6-43; 6-456-49; 6-51; 6-53)
C40	Microvasive Products for Endourology, 1996, (pp. 6-1-6-8; 6-13-6-15; 6-17-6-19; 6-21-6-23; 6-25-6-29; 6-31-6-46; 6-51-6-55; 6-61-6-64)
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C46	Riesenfeld, et al. "Surface Modification of Functionally Active Heparin," MEDICAL DEVICE TECHNOLOGY (March 1995).
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C49	Stables, "Percutaneous Nephrostomy: Techniques, Indications, and Results," <u>Urologic Clinics of North America</u> , February 1982, Vol. 9, No. 1, (pp. 15-29)

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